

PRODUCT TECH SHEET



SCAN FOR VIDEO

MODEL	CONDOR 2.0 - CQ50L			 HIKMICRO
STYLE	Thermal Monocular with LRF			
RELEASE	Jan 2025	RRP	\$4,699	
 				
DIMENSIONS				
LENGTH		193mm (7.6")		
WIDTH		72mm (2.8")		
HEIGHT		94mm (3.7")		
WEIGHT		537g (incl batt)		
PROTECTION				
IP67 (water resistant to 1m for 30 mins)				
POWER				
1 x 21700 External Li-Ion Battery				

SUMMARY

The **HIKMICRO CONDOR LRF CQ50L 2.0** handheld thermal monocular is equipped with the high resolution 640 × 512 @12 μm thermal detector with much higher sensitivity (NETD <15 mK), ensuring the finest details catching no matter the weather or light conditions, and the 50mm, F0.9 lens enables a huge 2600m detection range.

Additionally, a larger 0.49" 1920 × 1080 (Full HD) OLED display and HIKMICRO's innovative shutterless system (HSIS) provide an immersive and incredibly smooth viewing experience, with an under-slung laser rangefinder ensuring precise distance measurement up to a range of 1000 m.

The **CONDOR LRF CQ50L 2.0** also uses the 21700 Li-ion battery design, slightly larger than the 18650 and packed with more energy - offering an impressive 6.5 hour battery time even with Wi-Fi and the LRF switched on. The box comes supplied with two of these batteries.

Maintaining the traditional premium cylindrical shape design for a comfortable fit in the hand, the **CONDOR LRF CQ50L 2.0** monocular is perfect for forest & field hunting, birding, animal searching, rescuing and marine scenarios.

KEY FEATURES

- 640 × 512 resolution @12μm thermal detector for amazing thermal detail.
- Ultra-high sensitivity thermal module NETD <15mK (@25°C, F# = 1.0), ensuring perfect image quality and detail recognition even in the toughest weather conditions.
- 50mm F0.9 lens with a 15.2m x 12.2m wide field of view at 100m, plus detection range up to 2600m.
- 1920 × 1080 resolution 0.49-inch OLED visual scope display with HSIS for excellent clarity.
- Picture and video recording using on-board, in-built 64GB memory.
- Powered by one 21700 external Li-ion battery, providing around 6.5 hours of operation which includes feature usage like LRF and Wi-Fi. The battery can be swapped out when discharged with another of the two supplied batteries.
- Waterproof with an IP67 rating (up to 1m for 30 minutes) for tackling the toughest of conditions.
- Three Year HikMicro Warranty for peace-of-mind.

TECHNICAL DETAILS**[3 Year Warranty]****THERMAL MODULE:**

Image Sensor
 Maximum Resolution (Thermal)
 Frame Rate
 Pixel Interval
 Response Waveband
 NETD
 Lens (Focal Length)
 Focus Mode
 Detection Range
 Minimum Focusing Distance
 Magnification
 Field of View (HxV), Degrees/m @100m

VOx Uncooled Focal Plane Arrays
 640 x 512
 50Hz
 12µm
 8µm to 14µm
 Less than 15mK (@25°C), F# = 1.0
 50mm, F0.9
 Rear Upper Focus Wheel
 2600m
 5.0m
 2.7× to 21.6× (8x)
 8.7° × 7.0°/15.2m × 12.2m

IMAGE DISPLAY:

Display
 HSIS Shutterless Image System
 Palettes
 Exit Pupil
 Eye Relief
 Diopter (Range)
 Zoom Pro
 Image Pro 2.0
 Brightness Adjustment
 Contrast Adjustment
 Tone Adjustment

1920 × 1080, 0.49-inch OLED
 Yes (continuous monitoring without lag or loss in image quality)
 Black Hot, White Hot, Red Hot, Fusion, Red Mono, Green Mono.
 8mm
 15mm
 -5 D to +3 D
 Yes
 Yes
 Yes
 Yes
 Cold, Warm

SYSTEM:

WiFi
 Capture Snapshot
 Audio Recording
 Video Recording
 File Storage
 PiP
 Hotspot
 Hot Track
 Distance Measurement
 Standby Mode

2.4G and 5G Dual Waveband
 Yes
 Yes
 Yes
 Built-in EMMC (64GB)
 Yes
 Yes
 Yes
 Yes (Laser to 1000m)
 Yes

POWER SUPPLY:

Battery Type
 Battery Operating Time

 Type-C Power Supply
 Boot Time

One replaceable and rechargeable 21700 battery (2 supplied)
 6.5 hours continuous running with WiFi, Zoom Pro and LRF all turned on (@25°C)
 5V DC, 2A. Supports External Power Supply
 3 Seconds

GENERAL:

Dimensions
 Weight
 Working Temperature
 Working Humidity
 Protection Level

193 mm × 71.5 mm × 93.3 mm
 537 g with external battery installed
 -30°C to +55°C
 90% or less
 IP67

LASER RANGEFINDER:

Safety Class
 Wavelength
 Min/Max Measuring Range
 Measurement Accuracy

Class 1,
 950nm
 10m - 1000m
 ±1 m



Connect to the **HikMicro SIGHT App** for greater functionality.